SUNKET®-ESS

Micro Inverter

600W/700W/800W/900W/1000W



HIGHER YIELDS

Up to 30% More Energy
50 °C full power operation

SAFETY&RELIABILITY

RSD Compliance
IP67

FLEXIBLE INSTALLATION

3 hooks designed for
multiple applications

STRONG COMMUNICATION

Encrypted Sub-1G Solution
for Residential & Commercial

Technical Specifications

SUNKET®-ESS

Model	SUN-600WE-P2	SUN-700WE-P2	SUN-800WE-P2	SUN-900WE-P2	SUN-1000WE-P2
Input Data (DC)					
Commonly Module Power (W)	240 to 410+	270 to 460+	330 to 550+	350 to 610+	390 to 680+
Peak Power MPPT Voltage Range (V)			33-48		
Start-up Voltage (V)			21		
Maximum Input Voltage (V)			65		
Maximum Input Current (A)	2×13	2×14	2×15	2×16	2×17
Maximum Input Short Circuit Current (A)			2×25		
Number of MPPTs			2		
Number of Inputs per MPPT			1		
Output Data (AC)					
Rated Output Power (VA)	600	700	800	900	1000
Rated Output Current (A)	2.6	3.0	3.4	3.9	4.3
Maximum Units per 10AWG Branch[2]	12	10	9	8	7
Maximum Units per 12AWG Branch[2]	7	6	5	5	4
Nominal Output Voltage/ Range (V)[1]			230 / 240		
Nominal Frequency/Range (Hz)[1]			50 / 60		
Power Factor (adjustable)			0.8leading..0.8lagging		
Total Harmonic Distortion			＜3%		
Efficiency					
CEC Peak Efficiency	96.80%	96.80%	96.80%	96.60%	96.60%
Nominal MPPT Efficiency			99.80%		
Nighttime Power Consumption (mW)			<50		
Packing Configuration					
Container			40'HQ/20'HQ		
Pieces/Pallet			150 / 150		
Pallets per Container			40 / 20		
Pieces per Container			6000 / 3000		
General Data					
Ambient Temperature Range (°C)			-40 to +65		
Dimensions (W×H×Dmm)			361×222×36.5 (including 3 hooks)		
Weight (kg)			3.2		
Enclosurerating			Outdoor IP67 (NEMA 6)		
Cooling			Natural Convection (no fans)		
Communication			Wifi		
Monitoring			Cloud via App		
Type of Isolation			Galvanically Isolated HF Transformer		
Compliance	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1/-2/-3/-4, EN50549-1:2019, VDE-AR-N 4105: 2018, CEI0-21, TOR Erzeuger, R25: 2019, EN 300 220-1/-2, EN300328, EN301489-1/-3/-17, EN62311, C10/11 PN- EN50549-1:2019, NC- RfG, ORDINANCE 140_2022				

*1 Nominal voltage / freguency range can vary depending on local requirements.
*2 Refer to local requirements for exact number of microinverters per branch.

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